



Sector \$

+

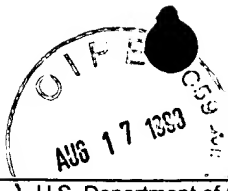
PTO/SB/21 (modified)
Approved for use through xx/xx/xx, OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

TRANSMITTAL FORM <i>(to be used for all correspondence during pendency of filed application)</i>	U.S. Department of Commerce Patent and Trademark Office	Application Number	09/083,769
		Filing Date	May 22, 1998
		First Named Inventor	Gerard McGoogan
		Group Art Unit Number	2831
		Examiner Name	Not Yet Known
Total Number of Pages in This Submission	11	Attorney Docket Number	3454

ENCLOSURES (check all that apply)	
<input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate) <input checked="" type="checkbox"/> Check Enclosed	<input type="checkbox"/> Issue Fee Transmittal
<input checked="" type="checkbox"/> Return Receipt Postcard	<input type="checkbox"/> Letter to Chief Draftsperson
<input checked="" type="checkbox"/> Response to Notice to File Missing Parts	<input type="checkbox"/> Formal Drawing(s): [] Sheet(s) of Figure(s) []
<input checked="" type="checkbox"/> Assignment & PTO-1595	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Declaration	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input checked="" type="checkbox"/> Small Entity Statement	<input type="checkbox"/> Certified Copy of Priority Document(s)
<input type="checkbox"/> Information Disclosure Statement & PTO-1449 <input type="checkbox"/> Copies of IDS Cited References	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Request for Corrected Filing Receipt	<input type="checkbox"/>
<input type="checkbox"/> Request for Correction of Recorded Assignment	<input type="checkbox"/>
<input type="checkbox"/> Amendment/Response: [] Page(s) <input type="checkbox"/> After Final	<input type="checkbox"/>
<input type="checkbox"/> Status Request	<input type="checkbox"/>
<input type="checkbox"/> Revocation and Power of Attorney	<input type="checkbox"/>
REMARKS:	

SIGNATURE OF ATTORNEY OR AGENT			
Signature:			
Attorney/Reg. No.:	Greg T. Sueoka / Reg. No.: 33,800	Dated:	August 11, 1998

CERTIFICATE OF MAILING			
I hereby certify that this correspondence, including the enclosures identified above, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on the date shown below. If the Express Mail Mailing Number is filled in below, then this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 CFR 1.10.			
Signature:			
Typed or Printed Name:	Greg T. Sueoka	Dated:	August 11, 1998
Express Mail Mailing Number (optional):			

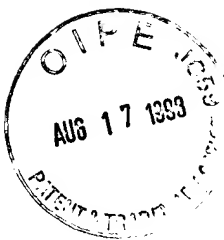


0002/PTO(modified) Rev. 10/95	U.S. Department of Commerce Patent and Trademark Office	Complete if Known	
		Application Number	09/083,769
FEE TRANSMITTAL		Filing Date	May 22, 1998
		First Named Inventor	Gerard McGoogan
		Group Art Unit	2831
		Examiner Name	Not Yet Known
TOTAL AMOUNT OF PAYMENT		Attorney Docket Number	3454
Subtotal (1) + Subtotal (2) + Subtotal (3) =		(\$) 105.00	

METHOD OF PAYMENT		FEE CALCULATION (continued)																																																																																									
1. The Commissioner is hereby authorized to: <input type="checkbox"/> Charge the indicated fees to the below mentioned deposit account. <input checked="" type="checkbox"/> Charge any additional fee required under 37 CFR 1.16 and 1.17 or credit any over payments to the below mentioned deposit account. [†] <input type="checkbox"/> Charge the Issue Fee set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.311(b) to the below mentioned deposit account. Deposit Account Number: 19-2555 Deposit Account Name: FENWICK & WEST LLP A Duplicate Copy of this authorization is attached 2. <input checked="" type="checkbox"/> Payment Enclosed: [X] Check [] Other		3. ADDITIONAL FEES <table border="1"><thead><tr><th>Large Entity Fee Code/Fee</th><th>Small Entity Fee Code/Fee</th><th>Fee Description</th><th>Fee Due</th></tr></thead><tbody><tr><td>105/\$130</td><td>205/\$65</td><td>Surcharge - late filing fee or oath</td><td>65.</td></tr><tr><td>127/\$50</td><td>227/\$25</td><td>Surcharge-late provisional filing fee or cover sheet</td><td></td></tr><tr><td>147/\$2,520</td><td>147/\$2,520</td><td>For filing a request for reexamination</td><td></td></tr><tr><td>115/\$110</td><td>215/\$55</td><td>Extension for response within first month[†]</td><td></td></tr><tr><td>116/\$400</td><td>216/\$200</td><td>Extension for response within second month[†]</td><td></td></tr><tr><td>117/\$950</td><td>217/\$475</td><td>Extension for response within third month[†]</td><td></td></tr><tr><td>118/\$1,510</td><td>218/\$755</td><td>Extension for response within fourth month[†]</td><td></td></tr><tr><td>128/\$2,060</td><td>228/\$1,030</td><td>Extension for response within fifth month[†]</td><td></td></tr><tr><td>119/\$310</td><td>219/\$155</td><td>Notice of Appeal</td><td></td></tr><tr><td>141/\$1,320</td><td>241/\$660</td><td>Petition to revive unintentionally abandoned application</td><td></td></tr><tr><td>142/\$1,320</td><td>242/\$660</td><td>Utility Issue Fee (Or Reissue)</td><td></td></tr><tr><td>143/\$450</td><td>243/\$225</td><td>Design Issue Fee</td><td></td></tr><tr><td>122/\$130</td><td>122/\$130</td><td>Petitions to the Commissioner</td><td></td></tr><tr><td>123/\$50</td><td>123/\$50</td><td>Petitions related to provisional applications</td><td></td></tr><tr><td>126/\$240</td><td>126/\$240</td><td>Submission of Information Disclosure Statement</td><td></td></tr><tr><td>581/\$40</td><td>581/\$40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40.</td></tr><tr><td>146/\$790</td><td>246/\$395</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr><tr><td>149/\$790</td><td>249/\$395</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr><tr><td colspan="2">Other fee (specify):</td><td></td><td></td></tr><tr><td colspan="2">Other fee (specify):</td><td></td><td></td></tr><tr><td colspan="2"></td><td>SUBTOTAL (3)</td><td>(\$)105.00</td></tr></tbody></table>		Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due	105/\$130	205/\$65	Surcharge - late filing fee or oath	65.	127/\$50	227/\$25	Surcharge-late provisional filing fee or cover sheet		147/\$2,520	147/\$2,520	For filing a request for reexamination		115/\$110	215/\$55	Extension for response within first month [†]		116/\$400	216/\$200	Extension for response within second month [†]		117/\$950	217/\$475	Extension for response within third month [†]		118/\$1,510	218/\$755	Extension for response within fourth month [†]		128/\$2,060	228/\$1,030	Extension for response within fifth month [†]		119/\$310	219/\$155	Notice of Appeal		141/\$1,320	241/\$660	Petition to revive unintentionally abandoned application		142/\$1,320	242/\$660	Utility Issue Fee (Or Reissue)		143/\$450	243/\$225	Design Issue Fee		122/\$130	122/\$130	Petitions to the Commissioner		123/\$50	123/\$50	Petitions related to provisional applications		126/\$240	126/\$240	Submission of Information Disclosure Statement		581/\$40	581/\$40	Recording each patent assignment per property (times number of properties)	40.	146/\$790	246/\$395	Filing a submission after final rejection (37 CFR 1.129(a))		149/\$790	249/\$395	For each additional invention to be examined (37 CFR 1.129(b))		Other fee (specify):				Other fee (specify):						SUBTOTAL (3)	(\$)105.00
Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due																																																																																								
105/\$130	205/\$65	Surcharge - late filing fee or oath	65.																																																																																								
127/\$50	227/\$25	Surcharge-late provisional filing fee or cover sheet																																																																																									
147/\$2,520	147/\$2,520	For filing a request for reexamination																																																																																									
115/\$110	215/\$55	Extension for response within first month [†]																																																																																									
116/\$400	216/\$200	Extension for response within second month [†]																																																																																									
117/\$950	217/\$475	Extension for response within third month [†]																																																																																									
118/\$1,510	218/\$755	Extension for response within fourth month [†]																																																																																									
128/\$2,060	228/\$1,030	Extension for response within fifth month [†]																																																																																									
119/\$310	219/\$155	Notice of Appeal																																																																																									
141/\$1,320	241/\$660	Petition to revive unintentionally abandoned application																																																																																									
142/\$1,320	242/\$660	Utility Issue Fee (Or Reissue)																																																																																									
143/\$450	243/\$225	Design Issue Fee																																																																																									
122/\$130	122/\$130	Petitions to the Commissioner																																																																																									
123/\$50	123/\$50	Petitions related to provisional applications																																																																																									
126/\$240	126/\$240	Submission of Information Disclosure Statement																																																																																									
581/\$40	581/\$40	Recording each patent assignment per property (times number of properties)	40.																																																																																								
146/\$790	246/\$395	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																									
149/\$790	249/\$395	For each additional invention to be examined (37 CFR 1.129(b))																																																																																									
Other fee (specify):																																																																																											
Other fee (specify):																																																																																											
		SUBTOTAL (3)	(\$)105.00																																																																																								
FEE CALCULATION (fees effective 10/01/97) 1. FILING FEE <table border="1"><thead><tr><th>Large Entity Fee Code/Fee</th><th>Small Entity Fee Code/Fee</th><th>Fee Description</th><th>Fee Due</th></tr></thead><tbody><tr><td>101/\$790</td><td>201/\$395</td><td>Utility Filing</td><td></td></tr><tr><td>106/\$330</td><td>206/\$165</td><td>Design Filing</td><td></td></tr><tr><td>108/\$790</td><td>208/\$395</td><td>Reissue Filing</td><td></td></tr><tr><td>114/\$150</td><td>214/\$75</td><td>Provisional Filing</td><td></td></tr><tr><td colspan="2">SUBTOTAL (1)</td><td></td><td>(\$)0</td></tr></tbody></table>		Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due	101/\$790	201/\$395	Utility Filing		106/\$330	206/\$165	Design Filing		108/\$790	208/\$395	Reissue Filing		114/\$150	214/\$75	Provisional Filing		SUBTOTAL (1)			(\$)0																																																																		
Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due																																																																																								
101/\$790	201/\$395	Utility Filing																																																																																									
106/\$330	206/\$165	Design Filing																																																																																									
108/\$790	208/\$395	Reissue Filing																																																																																									
114/\$150	214/\$75	Provisional Filing																																																																																									
SUBTOTAL (1)			(\$)0																																																																																								
2. CLAIMS <table border="1"><thead><tr><th>Large Entity Fee Code/Fee</th><th>Small Entity Fee Code/Fee</th><th>Fee Description</th></tr></thead><tbody><tr><td>103/\$22</td><td>203/\$11</td><td>Claims in excess of 20</td></tr><tr><td>102/\$82</td><td>202/\$41</td><td>Independent claims in excess of 3</td></tr><tr><td>104/\$270</td><td>204/\$135</td><td>Multiple dependent claim</td></tr><tr><td>109/\$82</td><td>209/\$41</td><td>Reissue independent claims over original patent</td></tr><tr><td>110/\$22</td><td>210/\$11</td><td>Reissue claims in excess of 20 and over original patent</td></tr></tbody></table>		Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	103/\$22	203/\$11	Claims in excess of 20	102/\$82	202/\$41	Independent claims in excess of 3	104/\$270	204/\$135	Multiple dependent claim	109/\$82	209/\$41	Reissue independent claims over original patent	110/\$22	210/\$11	Reissue claims in excess of 20 and over original patent																																																																								
Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description																																																																																									
103/\$22	203/\$11	Claims in excess of 20																																																																																									
102/\$82	202/\$41	Independent claims in excess of 3																																																																																									
104/\$270	204/\$135	Multiple dependent claim																																																																																									
109/\$82	209/\$41	Reissue independent claims over original patent																																																																																									
110/\$22	210/\$11	Reissue claims in excess of 20 and over original patent																																																																																									
		<table border="1"><thead><tr><th>For</th><th>(Col. 1) No. of Existing Claims</th><th>(Col. 2) Highest No. Previously Paid For</th><th>(Col. 3) Extra**</th><th>Fee</th><th>Fee Due</th></tr></thead><tbody><tr><td>TOTAL</td><td></td><td>minus* 20 or</td><td>=</td><td>x</td><td>= 0</td></tr><tr><td>INDEP</td><td></td><td>minus* 3 or</td><td>=</td><td>x</td><td>= 0</td></tr><tr><td colspan="6">[] First presentation of multiple dependent claim</td></tr></tbody></table>		For	(Col. 1) No. of Existing Claims	(Col. 2) Highest No. Previously Paid For	(Col. 3) Extra**	Fee	Fee Due	TOTAL		minus* 20 or	=	x	= 0	INDEP		minus* 3 or	=	x	= 0	[] First presentation of multiple dependent claim																																																																					
For	(Col. 1) No. of Existing Claims	(Col. 2) Highest No. Previously Paid For	(Col. 3) Extra**	Fee	Fee Due																																																																																						
TOTAL		minus* 20 or	=	x	= 0																																																																																						
INDEP		minus* 3 or	=	x	= 0																																																																																						
[] First presentation of multiple dependent claim																																																																																											
		<p>* Subtract the greater number of Col. 2 ** If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3</p> <p>SUBTOTAL (2) (\$)0</p>																																																																																									

SUBMITTED BY		Complete (if applicable)	
Typed or Printed Name	Greg T. Sueoka	Reg. Number	33,800
Signature		Date	August 11, 1998

[†] Request for Extension of Time per 37 CFR 1.136 (a)(3) made hereby



IN THE UNITED STATES

PATENT AND TRADEMARK OFFICE

APPLICANT(S): Gerard McGoogan
SERIAL NO.: 09/083,769
FILING DATE: May 22, 1998
TITLE: Improvements In Intrinsically Safe Circuits
EXAMINER: Unknown
GROUP ART UNIT: 2831
ATTY. DKT. NO.: 3454

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner For Patents, Washington, D.C. 20231, on the date shown below:

Dated: 11 Aug. 1998

By: Greg T. Sueoka
Greg T. Sueoka, Reg. No.: 33,800

BOX MISSING PARTS
ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

RESPONSE TO NOTICE TO FILE MISSING
PARTS OF APPLICATION

SIR:

Responsive to Form PTO-1533 dated June 16, 1998 received in the above-identified patent application, enclosed are:

- ☒ a copy of the Notice to File Missing Parts;
- ☒ an original, signed Declaration;
- ☒ a signed Verified Statement
- ☒ Applicant respectfully submits that since this application was entitled to Small Entity Status when filed, as established with the enclosed original, signed, Verified Statement, the fee for filing as a large entity as indicated in the Notice to File Missing Parts is inappropriate

and that the filing fee submitted with this application as originally
filed is sufficient to cover the filing fees for this application;

☒ payment in the amount of \$65.00 for the surcharge;

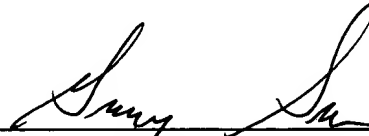
☐ Other:

Respectfully submitted,
GERARD MCGOOGAN

Dated: _____

17 Aug 1998

By: _____



Greg T. Sueoka, Reg. No.: 33,800

Fenwick & West LLP

Two Palo Alto Square

Palo Alto, CA 94306

Tel.: (650) 858-7194

Fax.: (650) 494-1417

19900/5021



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

#3

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO./TITLE
--------------------	---------------------	-----------------------	---------------------------

09/083,769 05/22/98 MCGOOGAN

6 3454

0262/0616

GREG T SUEOKA
FENWICK AND WEST
TWO PALO ALTO SQUARE
PALO ALTO CA 94306

NOT ASSIGNED

2831

DATE MAILED:

06/16/98

NOTICE TO FILE MISSING PARTS OF APPLICATION
Filing Date Granted

An Application Number and Filing Date have been assigned to this application. The items indicated below, however, are missing. Applicant is given TWO MONTHS FROM THE DATE OF THIS NOTICE within which to file all required items and pay fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a). If any of items 1 or 3 through 5 are indicated as missing, the SURCHARGE set forth in 37 CFR 1.16(e) of ☐ \$65.00 for a small entity in compliance with 37 CFR 1.27, or ☒ \$130.00 for a non-small entity, must also be timely submitted in reply to this NOTICE to avoid abandonment.

If all required items on this form are filed within the period set above, the total amount owed by applicant as a
☐ small entity (statement filed) ☐ non-small entity is \$ 1,300.00.

- ☐ 1. The statutory basic filing fee is:
☒ missing.
☐ insufficient.
Applicant must submit \$ _____ to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).
- ☐ 2. Additional claim fees of \$ _____, including any multiple dependent claim fees, are required.
\$ _____ for _____ independent claims over 3.
\$ _____ for _____ dependent claims over 20.
\$ _____ for multiple dependent claim surcharge.
Applicant must either submit the additional claim fees or cancel additional claims for which fees are due.
- ☐ 3. The oath or declaration:
☐ is missing or unexecuted.
☐ does not cover the newly submitted items.
☐ does not identify the application to which it applies.
☐ does not include the city and state or foreign country of applicant's residence.
An oath or declaration in compliance with 37 CFR 1.63, including residence information and identifying the application by the above Application Number and Filing Date is required.
- ☒ 4. The signature(s) to the oath or declaration is/are by a person other than inventor or person qualified under 37 CFR 1.42, 1.43 or 1.47.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- ☐ 5. The signature of the following joint inventor(s) is missing from the oath or declaration:

An oath or declaration in compliance with 37 CFR 1.63 listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Filing Date, is required.

- ☐ 6. A \$50.00 processing fee is required since your check was returned without payment (37 CFR 1.21(m)).
- ☐ 7. Your filing receipt was mailed in error because your check was returned without payment.
- ☐ 8. The application does not comply with the Sequence Rules.
See attached "Notice to Comply with Sequence Rules 37 CFR 1.821-1.825."
- ☐ 9. OTHER:

Direct the reply and any questions about this notice to "Attention: Box Missing Parts."

A copy of this notice MUST be returned with the reply.

Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

08/24/1998 JWSH/56 00000019 09083766 630000

01 15:205